

IE-SW-BL05T-1GS-4GTPOE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

- 4 x IEEE 802.3af/at compliant PoE ports
- 12/24/48 VDC redundant wide-range power supply
- Integrated DC/DC converter for supplying 48 V PoE devices over the entire input voltage range from 12 to 57 VDC
- Intelligent power consumption detection and classification
- Variations with copper and fibre-optic interface (multimode and singlemode)

General ordering data

Version	Network switch, unmanaged PoE, Gigabit Ethernet, Number of ports: 4 * RJ45 10/100/1000BaseT(X) PoE+, 1x 1000BaseSFP Slot, IP30, -40 °C...75 °C
Order No.	1504380000
Type	IE-SW-BL05T-1GS-4GTPOE
GTIN (EAN)	4050118312430
Qty.	1 pc(s).

Creation date March 24, 2021 3:19:51 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	105 mm	Depth (inches)	4.134 inch
Height	135 mm	Height (inches)	5.315 inch
Net weight	360 g	Width	29 mm
Width (inches)	1.142 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5...95 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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EMC conformity and approvals

EMC standards	FCC Part 15 Subpart B Class A, EN 55022 Class A, EN 61000-4-2 (ESD), Stage 3, EN 61000-4-3 (RS), Stage 3, EN 61000-4-4 (EFT), level 4, EN 61000-4-5 (surge), level 4, EN 61000-4-6 (CS), Stage 3, EN 61000-4-8	Safety standard	UL 508
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6

Environmental conditions

Humidity	5...95 %, no condensation	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Interfaces

DIP switch	Broadcast storm protection enable/disable	LED indicator	PWR1, PWR2, 10/100/1000M (TP-Port), 100/1000M (SFP-Port), PoE
Note	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.	Note	The SFP slot can only be used with Weidmüller SFP transceivers. Third-party SFP transceivers are not accepted by the switch.
Number of ports	4 * RJ45 10/100/1000BaseT(X) PoE+, 1x 1000BaseSFP Slot	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port

MTBF

MTBF	1,257,910 hrs	Database	Telcordia (Bellcore), GB
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Power over Ethernet (PoE)

PoE output current	Standard	IEEE 802.3af
	Output current	350 mA
	Standard	IEEE 802.3at
	Output current	600 mA
PoE output power	Standard	IEEE 802.3af
	Output power	15.4 W
	Standard	IEEE 802.3at
	Output power	30 W
PoE pin assignment	Mode A: Pin 1, 2 (V+); Pin 3, 6 (V-); Alternative A; MDI	
Total PoE power budget	Voltage type	DC
	Voltage, min.	20 V
	Voltage, max.	57 V
	Power budget	120 W

Power supply

Connection type	2 removable 2-pole terminal blocks	
Current consumption	6.83 A with 24 V DC (at full PoE+ load), 3.28 A with 48 V DC (at full PoE+ load)	
Overload current protection	Yes	
Reverse polarity protection	Yes	
Supply voltage, max.	57 V DC	
Voltage supply	24/48 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	20 V
	Voltage, max.	57 V

Switch characteristics

Jumbo frame support	up to 9.6 KB	MAC table size	8 K
Packet buffer size	1,024 Kbit		

Technical data

Housing main material	Aluminium	Protection degree	IP30
Speed	Gigabit Ethernet	Switch	unmanaged PoE
Type of mounting	DIN rail, Panel (with optional mounting kit)		

Technology

Data switching	Store and Forward	Flow control	IEEE 802.3x flow control, Back pressure flow control
Standard	IEEE 802.3af for Power-over-Ethernet, IEEE 802.3at for Power-over-Ethernet, IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3ab for 1000BaseT(X), IEEE 802.3z for 1000BaseX, IEEE 802.3x for flow control		

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ETIM 6.0	EC000734	ETIM 7.0	EC000734
ECLASS 9.0	19-17-01-06	ECLASS 9.1	19-17-01-06
ECLASS 10.0	19-17-04-02	ECLASS 11.0	19-17-04-02

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	STEP
Product Change Notification	Product Change Notification IE-SW-BL05-4GTPoE-series
User Documentation	Hardware Installation Guide